

Appendix C

Iowa Storm Water Education Program (ISWEP)

Contents:

- a) ISWEP 2013 Accomplishments
(6 pages).

ISWEP 2013 Accomplishments

Community Member Program (MS-4)

Staff: Pat Sauer .65 FTE, Stacie Johnson .20 FTE, Tricia Lyman .35 FTE

Welcome New Members: Bondurant, Carter Lake, Muscatine, West Branch and Windsor Heights.

Program Administration: member tracking, accounting, staff planning meetings, member meetings, cluster training coordination and implementation

Educational Resources: 3 toolboxes

Meeting 1 held February 5, 2013: Newsletter and Talking Points, Recycled denim fish pens, Rainscaping Iowa (RSI) Technical Bulletin on Native Turf and Soil Quality Restoration, RSI press release, RSI Powerpoint, an ISU Outreach speaker presentation on changing attitudes and behavior.

Meeting 2 held May 21 & 22, 2013: Newsletter and Talking Points, Updated Construction Site for Residential Applications Brochure, Permeable Pavement Inventory, RSI Permeable Pavement Brochure, Soil and Water Conservation Week Press Release, RSI Sign Designs for BMPs, Street Sweeping Technical Guide, Gas Station Stormwater Pollution Prevention Posters.

Meeting 3 held December 5 & 6, 2013: Newsletter and Talking Points, Table of Post Construction Ordinances, 2014 ISWEP calendars, Soak-Up-The-Storm Sponges and Bookmarks, Bioswale Design Guideline and Specification, Floor Care Cleaners Educational Package (PowerPoint, informational sheet, postcards, letter), List of State Revolving Fund Sponsored Projects, Technical Bulletin on IDALS funded research on modified soil in bioretention cells. Russell Paul gave a presentation on Des Moines' EPA audit, Joe Griffin talked about the push back from Des Moines area developers on the new topsoil requirements, and Jay Michels presented on Windsor Heights post construction ordinance.

Cluster Training:

Polk Cluster: Des Moines was provided with planning assistance for their Green Infrastructure event held in July. Stormwater Pollution Prevention for Municipal Employees training was held in Altoona in December with 50 attendees including staff from Altoona, Urbandale, Pleasant Hills, Ankeny, and Windsor Heights. A similar event is planned for January 2014.

Ames Cluster: Stormwater Pollution Prevention for Municipal Employees training was held in Ames in July. Approximately 30 staff attended the training.

Council Bluffs Cluster: Staff requested stormwater BMP maintenance training. They sent staff to training at IAMU that was held in September.

Marshalltown and Sioux City Clusters: We were unable to coordinate activities with staff but look forward to that in 2014.

Coralville / Iowa City / North Liberty: GP#2 updates with specific emphasis on changes to post-construction soil requirements. Approximately 50 engineers and contractors attended the training.

Davenport / Bettendorf / Muscatine: Rainscaping Iowa / Soil Quality Restoration. Approximately 30 city staff and private contractors attended training.

Cedar Rapids: Staff requested Pollution Prevention and Good Housekeeping for Custodial Staff. Approximately 15 staff attended the training.

Marion: Staff requested GP#2 updates with specific emphasis on changes to post-construction soil requirements. Approximately 17 contractors attended the training.

Cedar Falls / Waterloo: Staff requested a community event - The Stormwater Link to Source Water Protection, held at the Hartman Nature Reserve in Cedar Falls. Approximately 7 community members braved the cold to attend the event, enjoy a fire, hot chocolate and cookies and learn more about efforts to protect drinking water and improve stormwater quality in Cedar Falls / Waterloo.

Asbury, Ottumwa and Hiawatha: We were unable to coordinate activities with staff but look forward to working with them in 2014.

Stormwater Program and Utility Survey 2013:

Conducted a survey of cities to gather information on stormwater utilities and stormwater program management. Data was summarized in an Excel spreadsheet and provided to members.

State and Federal Legislative Updates and Representation:

Staff participated in a meeting with IDNR staff and local developers on their concerns about implementation of the new topsoil requirements in General Permit #2.

Staff have been tracking U.S. Environmental Protection Agency (EPA) proposed post construction rules for the past 3 years. The requirements and decision on the requirements are still on hold.

ISWEP Website:

Update the ISWEP website including the calendar of events, educational resources and new resources added to member login area and other enhancements. The significant change has been the addition of a new section on watershed planning. This was added as result of funding from the IDNR Watershed Planning for Communities grant. There were approximately 38,000 hits on this site during 2013. Members link their websites to this site for public education. 2014 will bring updates and improvements to the Members Only area. We may have to transfer to the same web operating system as IAMU in 2014.

Member support:

Respond to member requests for information or assistance.

Technical:

Requests were made to ISWEP staff by members to obtain technical information related to stormwater management and regulatory requirements. Staff researched requests and responded to members.

Iowa Stormwater Management Manual Updates

Organize revisions to sections in the Iowa Stormwater Management Manual. This includes organization of a workgroup, conducting meetings, formatting of documents, research on topics, communication with committee members and prioritizing sections that require revision or creation, and working with an engineering consultant to review design calculations. Additional revisions to the bioretention cell design and specification sections were completed and sent to IDNR to post on their website. Bioswale design and specification sections were completed and sent to IDNR for posting

on their website. The next projects will be revising the soil quality restoration section, adding a pretreatment section and creating a new green roof section.

Research:

Provide technical guidance on bioretention cell column study through a cooperative effort with Dr. Sally Logsdon at the USDA, ARS, National Lab of Agriculture and Environment. Funds have been obtained from the Iowa Department of Agriculture and Land Stewardship, State Soil Conservation Commission and Leopold Center to conduct research on soil amendments in laboratory studies. Results from the IDALS study have been included in a technical bulletin and distributed to ISWEP members during the last meeting of the year in December.

2013 Stormwater / Pollution Prevention Training Events

ISWEP staff organized the following training events in 2013:

Iowa Certified Construction Site Pollution Prevention Inspector Training (ICCSPPPI)

Ankeny, recorded Webcast at IAMU with Pat Sauer: 2/28/2013; 5/29/2013; 11/13/2013

Cedar Falls/Waterloo, Amy Kay Trainer: 11/13/2013

TOTAL TRAINED: 100 New ICCSPPIs, 14 Recertifications

Iowa Certified Installer Construction Site Pollution Prevention Practices (ICICSP3)

This program was created by ISWEP staff and premiered on February 15, 2013 in Waterloo. There were more than 20 that attended the training resulting in 20 certified ICICSP3s.

TOTAL TRAINED: 20

Train-The-Trainer ICCSPPI and ICICSP3 Workshop

Pat Sauer trained 7 new trainers for these programs on July 23. Trainers will be able to provide localized training.

TOTAL TRAINED: 7

Understanding Soils and General Permit #2 Requirements

Stacie Johnson organized this training held on February 26, 2013 in Coralville.

TOTAL TRAINED: 73

Streambank Stabilization Training

This was held on October 1-4, 2013 in Clive. It was sponsored by the City of Clive, The International Erosion Control Association as well as ISWEP. It was held in connection with the City of Clive's streambank project. Dave Derrick, Jay Michels and Pat Sauer gave presentations. Field activities were led by Dave Derrick.

TOTAL TRAINED: 13-20, varied per day

Ames LID Tour

This was held in Ames on September 28, 2013.

TOTAL TRAINED: 10

Watershed Game Train-The-Trainer Workshop

Training events were held on 8/5/2013 and 11/19/2103.

TOTAL TRAINED: 14

Rainscaping Iowa

Rainscaping Iowa:

Staff provided support to this statewide program. ISWEP staff organized meetings with Rainscaping Iowa partners and training events, as well as provided technical review of printed materials created by partners that were distributed to members. Staff updated the Rainscaping Iowa website as well as tracking documents for certified Rainscapers.

Printed Resources: A Permeable Pavements brochure was created

Kirkwood Training: Wayne Peterson and Amy Bouska were involved in Rainscaping Fundamentals of Soils and Rainscaping Rain Garden classes at Kirkwood in Cedar Falls. There were 15 students that enrolled in the Rain Garden class and 21 students in the Fundamentals of Soils class.

Rainscaper Certification: The certification program was re-tooled. IDALS staff had a challenge keeping up with additional work load. The case study portion of the certification was dropped. It was decided by the committee that the exam should be more rigorous and include a design calculation section. The Rain Garden, Biocell, Soil Quality Restoration and Native Landscaping exams have been revised. Biocells has designer and installer exams.

1 person became certified in bioretention cells under the new exam, one person took the exam in Native Landscaping and did not pass but plans on retaking the exam soon.

2013 Rainscaping Iowa Training Events

ISWEP staff organized the following training events in 2013:

This year there was a series of events categorized as a Stormwater Design Series

Unified Sizing Criteria, LID, Small Storm Hydrology: 4/4/2013 at IAMU

TOTAL TRAINED: 12

Rain Gardens, Biocells, AND Bioswales: 4/5/2013 at IAMU

TOTAL TRAINED: 6

Permeable Pavers: 4/30/2013 at IAMU

TOTAL TRAINED: 12

Native Landscaping: 9/12/2013 at IAMU

TOTAL TRAINED: 37

Soil Quality Restoration and Native Turf: 3/28/2013 City of Davenport partner

TOTAL TRAINED: 30

Treatment Train: 6/26/2013 at IAMU

TOTAL TRAINED: 29

Stormwater BMP Maintenance: 9/12/2013 at IAMU

TOTAL TRAINED: 31

Grants to ISWEP

Watershed Planning for Communities from IDNR

The Department of Natural Resources funded ISWEP to develop and implement a "Watershed Planning for Communities" Training Program aimed at building local capacity to better integrate watershed management into existing community-based planning activities such as Comprehensive Plans and Land Use Plans. Highlights of the grant include:

- A new 8 hour ISWEP training program was developed with the assistance of folks from Iowa Department of Agriculture and Land Stewardship; Iowa Northland Regional Council of Governments; MSA Professional Services and RDG Planning and Design
 - Watershed Planning for Communities Curriculum
 - Watersheds 101 / Historic Hydrology / Green Infrastructure
 - An Introduction to integrated watershed management planning
 - Components of an effective integrated watershed management plan
 - Watershed Game (Facilitated, small group discussions)
 - 3 Case Studies (Ankeny, Waverly and Dubuque County)
 - Financial Benefits of integrated watershed planning
 - Identifying Opportunities for Watershed Planning Integration
- The training program was piloted in three Iowa communities:
 - Mason City Iowa on 5/7/2013 (17 participants)
 - Ankeny, Iowa on 10/28/2013 (46 participants)
 - Marion, Iowa on 11/18/2013 (97 participants)

Post-workshop evaluation comments pertaining to what the participants will do differently as a result of these workshops included:

- "Incorporate watershed planning more into comprehensive plans rather than just touch on watersheds in the plan."
- "Networking, looking for opportunities to ensure implementation happens."
- "Look for ways to tailor land use policies and regs on a watershed basis; this means they may differ across jurisdictions."
- "Identify watersheds and water quality issues within each watershed."
- "Integrating watershed management practices and land use plans."
- "We will be going forward with an updating of our comprehensive plan."

- “Will use info learned today in my education and outreach efforts in my area, especially with local leaders and decision makers.”
 - “Understand how the whole community fits together in watershed management and land use.”
 - “Work toward multi-partnerships / Put more effort into seeking partnerships.”
- A new toolbox was developed and is on the Iowa Stormwater Education Program website under the Watersheds link:
 - Watershed Driven Land-Use Planning
 - Find Your Watershed link to EPA Surf Your Watershed
 - Watershed Planning Assistance
 - Watershed Assessment and Data Collection
 - Watershed Planning Tools
 - Funding / Financial Resources
 - Watershed Policy, Plans and Practices
 - Watershed Ecosystem / Economics
 - Watershed Related 28E Agreements